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MEASURE AND INSTRUCTION BOOK

FOR THE

LADIES' DELIGHT

DRESS-CUTTING SYSTEM

BY

S. B. HARVEY, BOSTON, MASS.

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UNITED STATES OF AMERICA.

MEASURE AND INSTRUCTION BOOK

FOR THE

UNITED STATES STANDARD

DRESS CUTTING SYSTEM,

Invented by **Samuel B. Harvey**

OF BOSTON, MASS.

This System is to be used with any common Square, Rule, or Yard Stick.

RULES FOR TAKING MEASURES.

FIRST.—Height of Arm-pit. In order to find it, place strap or tape on the centre of chest; pass it backward, close up under the arms, where you wish the arm-size of the dress, across the back; put a pin in dress at top of strap; measure from neck-bone to pin;—this is the height of arm-pit, call it 7½ inches. Enter your measures in your book as you take them. This is from lines 2 to 4.

SECOND.—Length of Back, from neck-bone to bottom of belt.

THIRD.—Width of Back, from arm-pit to arm-pit.

FOURTH.—Length of Shoulder; as high as neck-bone on seam of shoulder to bone at tip of shoulder, 6¼ inches.

FIFTH.—Size of Waist; as tight as you wish it.

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SIXTH.—Size of Chest. Measure around the largest part of the form up under the arms across the back quite tightly. This measurement gives width of back neck and height of neck in front. Second, Half Chest; under the centre of arm to centre of front, 10 inches.

SEVENTH.—Half Neck measure, from neck-bone to centre of neck in front, add ½ inch.

EIGHTH.—Height of Darts, 2 inches under the arm-size, line 7; 4 inches under line 7 on line No. 1; draw line from here to dot.

NINTH.—Length of Point, from top of dress in front of neck to bottom of belt.

TENTH.—Hip, around the same, 8 inches below the belt, add 6 inches.

MEASUREMENTS FOR A LADY'S GARMENT.

Height of Arm-pit	7½ inches
Length of Back Waist	16 "
Width of Back	12½ "
Chest measure	35 "
Length of Shoulder	6¼ "
Half Chest	10 "
Waist	24 "
Half Neck	6½ "
Length of Point	13 "
Side Seam	8½ "
Length of Arm	23 "
Hip Measure	50 "

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Mode of Draughting the Back of a Lady's Dress with a Common Square.

With the long arm of the square make line No. 1, $1\frac{1}{2}$ inches from edge of paper.

With short arm to the left, make line No. 2 (See Diagram). Dot on line 2 for width of back. Neck one-sixteenth part of Breast measure, or as wide or narrow as you wish it to be, for what comes off of the back goes on to the front.

On the long arm of square draw line No. 3, half the depth of arm-pit, $3\frac{3}{4}$ inches.

Draw line No. 4 for height of arm-pit, $7\frac{1}{2}$ inches. On this line get half width of back, $6\frac{1}{4}$ inches from line No. 1 to back arm-size.

Draw line No. 5 on line No. 2 at the dot for width of Back Neck to the corner of lines 3 and 8.

Line No. 6 is 16 inches from line 2, on line 1, which is the Waist line. One-sixth part of Waist measure, 4 inches.

Line No. 7 is the Side Seam, from line 4 to line 6.

Line No. 8 extends from lines 3 and 5 to line 4, and is a curved line.

Line No. 9 is the Back form, from the dot on line 8, one third its length to line 6. Draw line from line 8 to line 6. Make your back as wide as you wish it to be.

Line No. 10 is 8 inches down out to line No. 1.

Line No. 11 is $3\frac{1}{2}$ inches from line 10, at bottom of skirt.

Line No. 12 is parallel with line 10.

Line No. 13 is from line 6, 8 inches down, and out enough to give one sixth part of Hip measure. The Hip measure is taken 8 inches below the Belt (loosely); then add 6 inches.

Mode of Draughting the Front of a Lady's Dress.

Place the Square on the paper $1\frac{3}{4}$ inches from edge of paper.

Draw line No. 1 on the long side of Square.

On the short end of Square, which you have placed to the left hand, draw line No. 2.

Dot on line 2, 4 inches from line 1, for line No. 3. Draw this line $2\frac{1}{2}$ inches from line 2.

Draw line No. 4 from line 3 to the corner of lines 1 and 2. This line is the centre of Back.

To get the height of Front Neck take half the height of arm-pit, $3\frac{3}{4}$ inches, and add to it 1 inch.

Measure on line 1, $4\frac{3}{4}$ inches from line 2; take Back-form piece, the corner of Neck, on dot on line 1; swing it around to line 4 until the size of your neck comes on to line 4; draw the line from line 1 to line 4, which will be Neck line No. 5.

To get line 6, take the Back, place the centre of it on line 4 of the front; dot on line 4, $\frac{3}{8}$-inch inside of line 5, at line 20; place the Neck of Back on line 20; dot on line 5 against the Shoulder of Back; place the corner of Back, Neck and Shoulder on the dot on line 5; wheel the Back so that the arm-size of it will come inside of line 2, $\frac{1}{2}$ inch; dot at end of Shoulder of Back; on the front you have Front Shoulder.

Draw line from dot to dot for line No. 6.

Curve the lines with Back form. To get line No. 7; measure from corner of lines 5 and 6, $7\frac{1}{2}$ inches, the same as height of arm-pit; draw line 7 from line 1. On this line, get size of Chest 10 inches, one-sixteenth of Breast

measure. Each side of the 10 inches will give the inner and outer points of front arm-size.

To get line No. 8 place Back-form piece white side up on the dots for arm-size and Shoulder, and draw arm-size.

Line No. 9 is from the outer point of lines 7 and 8 to line 11.

Line No. 10 is top of Darts; dot 2 inches under Half Chest measure, or line 7 at centre of arm-size; 4 inches under line 7 or line 1, draw line from one to the other.

Line No. 11 is the point of Waist at bottom of Belt. Measure from Neck of Dress in front, 13 inches on line 1; get length of Side Seam of Front with Side Seam of Back on line 9; draw line from dot to dot. Make side seam of front $\frac{1}{2}$ inch shorter than the back.

Line No. 12 is centre of Darts. Size of Darts; first get Button space, $1\frac{1}{2}$ inches; measure half of Waist, 12 inches, and half of Chest, $17\frac{1}{2}$ inches; take 12 inches out of $17\frac{1}{2}$ inches, you have $5\frac{1}{2}$ inches; add $\frac{3}{4}$ inch for space between, you have $6\frac{1}{4}$ inches from Button space; get the centre of this space, add $\frac{3}{8}$-inch each side of centre, which gives space between Darts.

Line No. 13. (See Diagram.)

Line No. 14 is out from line 14, 2 inches for a 24-inch Waist. Add $\frac{1}{8}$-inch for every additional inch; for a 29-inch waist add $2\frac{5}{8}$ inches. The bottom of this line is on line 13 and out, according to the Hip measure.

Line No. 15 is centre of the French Bias, half way from Back Dart to line 18, on line 11, and is parallel with line 18.

Lines No. 16, 17, 18, and 19 are as represented in the Diagram.

The Measurement of Arm from tip of Shoulder to Elbow is 12 inches; from Elbow to Wrist, 10 inches; size of Hand, 8 inches.

The Measurement of Cloaks.

The Measurement of Cloaks is the same as for a Dress; except that, in making a draught, 1 inch is added to the Chest, ½-inch to length of Shoulder, and ¾-inch to the height of Arm-pit.

Measurement for Skirts.

EXAMPLE.

Front	40 inches.
Side	42 "
Back	45 "
Waist	24 "

Average width at bottom for Walking Skirt, 2½ yards. Take one-fourth of Waist for top of front width; the width at bottom, 22 inches. Turn to an even slant, and cut first side gore, same as one half of front width, sloping 1½ inch on straight side, so as to avoid plaits.

For Walking Skirts, in straight width in back, sloping on side next to side gore, one quarter of Waist measure of Back. If you wish your Skirt very close and smooth on front and side, take one-third of length of Skirt in Back, measuring from band; Skirts straight widths, and bring back as close as you please. An Elastic Cord should be used in the Skirts to get the slope at bottom. Slope evenly from length in front, to get length of side from side to centre of back.

To Cut Trail Skirts.

Front and first side gore should be cut same as for a Walking Skirt; second gore same length as Skirt in back, but 3 inches wider at bottom than first gore, and same as first at top. The width of Skirt must be governed by the length of train and weight of goods, and should never be cut scant, as it will roll at the side.

NOTICE!

Samuel B. Harvey *is the Inventor of all Improvements in Actual Measurement Systems for Dress Cutting; and, by this, his last effort, hopes to satisfy every requirement of the Public.*

On my Square you will find back and front Neck Scales, which are governed by the Chest measure. This is taken on the largest part of the form in front, then back up under the arms, across the back, quite tight. If it measures 35 inches, dot at 35 in back Neck Scale to get width of the same, and 35 in front Neck Scale for height of front neck.

In the Button Space and Waist Scales, if the waist measures 24 inches, dot in 24 in each Scale for the size of back waist and for size of button space.

NAMES.
Height of Arm-pit.
Length of Back Waist.
Half Width of Back.
Half Chest Measure.
Waist Measure.
Neck.
Chest Measure.
Length of Shoulder.
Hip Measure.
Length of Arm.
Size of Arm.
Half of Hip.
Lenth of Point.
Length of Skirt at Back.
Length of Skirt at Front.
Side Seam.

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